

What is claimed is:

1. A CDMA transmission apparatus comprising:

an apportion section that apportions a plurality
5 items of data to a plurality of groups;

a multiplexing section that code division
multiplexes the apportioned data for each said group;
and

a transmission section that transmits the code
10 division multiplexed data for each said group using a
transmission antenna corresponding to each said group,

wherein said apportion section generates a replica
of specific data of said plurality of items of data and
apportions said specific data and the replica of said
15 specific data generated to at least two groups of said
plurality of groups, and

said multiplexing section code division multiplexes
said apportioned specific data and replica of said
specific data using spreading codes which differ from
20 one apportioned group to another.

2. The CDMA transmission apparatus according to claim
1,

wherein said specific data includes at least one
25 of a signal for controlling a communication between the
own apparatus and CDMA reception apparatus,
retransmission data, data directed to the CDMA reception
apparatus having channel quality of said communication

equal to or lower than a predetermined level, data directed to the CDMA reception apparatus moving at a predetermined speed or faster, data having a retransmission count equal to or greater than a predetermined count or systematic
5 bits when a turbo code is used as an error correcting code of said communication.

3. The CDMA transmission apparatus according to claim 1,

10 wherein as the retransmission count of said specific data increases, said apportion section increases the number of said groups to which said specific data and the replica of said specific data are apportioned.

15 4. A base station apparatus provided with the CDMA transmission apparatus according to claim 1.

5. A CDMA transmission method comprising:

20 a step of apportioning a plurality of items of data to a plurality of groups, said apportioning step generating a replica of specific data of said plurality of items of data and apportioning said specific data and the replica of said specific data generated to at least two groups of said plurality of groups;

25 a multiplexing step of code division multiplexing the apportioned data for each said group, said multiplexing step code division multiplexing said apportioned specific data and the replica of said specific

data using spreading codes which differ from one apportioned group to another; and

a transmission step of transmitting the data code division multiplexed for each said group using a
5 transmission antenna corresponding to each said group.